

Title (en)

A Method For Manufacturing a Part and Apparatus

Title (de)

Verfahren zur Herstellung eines Gegenstands und Vorrichtung

Title (fr)

procédé de fabrication d'un composant et dispositif

Publication

EP 2224035 A1 20100901 (EN)

Application

EP 10153270 A 20100211

Priority

US 36915709 A 20090211

Abstract (en)

A method and apparatus are present for manufacturing a part. The part is comprised of a metal alloy and is positioned to form a positioned part. An electromagnetic field is generated that heats the positioned part. A surface of the positioned part is exposed to an inert gas, while the electromagnetic field is generated to create an inverse thermal gradient between an exterior of the positioned part and an interior section of the positioned part to form a heat treated part.

IPC 8 full level

H05B 6/40 (2006.01)

CPC (source: EP US)

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Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2224035 A1 20100901; **EP 2224035 B1 20131225**; CN 101798667 A 20100811; CN 101798667 B 20150506; JP 2010185141 A 20100826; JP 5600257 B2 20141001; RU 2010104404 A 20110820; RU 2529322 C2 20140927; US 10179940 B2 20190115; US 2010200123 A1 20100812; US 2016068922 A1 20160310; US 9187818 B2 20151117

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